

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-5. (Canceled)

6. (Currently Amended) A single-use applicator assembly for dispensing and applying a polymerizable monomeric adhesive material, comprising:

_____ a base portion having at least one sealed compartment;

_____ a polymerizable monomeric adhesive material contained in the at least one compartment; and

_____ an applicator at least partially disposed in the at least one compartment such that a tip of the applicator is proximate the polymerizable monomeric adhesive material;

_____ wherein removal of at least one of the applicator and the adhesive material requires the applicator assembly to be destructively unsealed; and

_____ ~~The applicator assembly according to claim 5,~~ wherein the base portion is formed from a material that stabilizes the polymerizable monomeric adhesive material in the absence of stabilizers being added to the adhesive material.

7. (Currently Amended) The applicator assembly according to claim 5~~6~~, wherein the base portion is formed from a halogenated polymeric material.

8. (Original) The applicator assembly according to claim 7, wherein the halogenated polymeric material is selected from the group consisting of polyolefins, halogenated hydrocarbons, and engineered resins.

9. (Original) The applicator assembly according to claim 7, wherein the halogenated polymeric material is a fluorinated polymeric material.

10. (Currently Amended) A single-use applicator assembly for dispensing and applying a polymerizable monomeric adhesive material, comprising:

_____ a base portion having at least one sealed compartment;
_____ a polymerizable monomeric adhesive material contained in the at least one
compartment; and
_____ an applicator at least partially disposed in the at least one compartment such
that a tip of the applicator is proximate the polymerizable monomeric adhesive material;
_____ wherein the applicator assembly is destructively unsealed by removal of the
applicator; and~~The applicator assembly according to claim 1,~~
_____ wherein at least the portion of the applicator that is disposed in the
compartment is formed from a material that stabilizes the polymerizable monomeric adhesive
material.

11. (Original) The applicator assembly according to claim 10, wherein the tip
of the applicator is made from a same material as the base portion.

12. (Currently Amended) The applicator assembly according to claim ~~10~~,
wherein the tip of the applicator is at least one of porous, absorbent and adsorbent in nature.

13. (Original) The applicator assembly according to claim 12, wherein the
adhesive material is absorbed or adsorbed into the applicator tip.

14. (Original) The applicator assembly according to claim 12, wherein a
medicament is absorbed or adsorbed into the applicator tip.

15. (Original) The applicator assembly according to claim 1, wherein the tip
of the applicator comprises a material selected from the group consisting of metal, glass,
paper, ceramics and cardboard.

16. (Original) The applicator assembly according to claim 1, wherein the tip
of the applicator comprises a plastic material.

17. (Original) The applicator assembly according to claim 1, wherein the tip
of the applicator comprises one of a rolling ball, a brush, and a swab.

18. (Original) The applicator assembly according to claim 1, wherein the adhesive material is sterilized.

19. (Original) The applicator assembly according to claim 18, wherein the tip of the applicator is sterilized.

20. (Original) The applicator assembly according to claim 1, wherein the sealed compartment maximizes a ratio of a surface area of an enclosed space of the sealed compartment to a volume of the adhesive material contained therein.

21. (Currently Amended) A single-use applicator assembly for dispensing and applying a polymerizable monomeric adhesive material, comprising:

a base portion having at least one sealed compartment;

a polymerizable monomeric adhesive material contained in the at least one compartment; and

an applicator at least partially disposed in the at least one compartment such that a tip of the applicator is proximate the polymerizable monomeric adhesive material;

wherein removal of ~~at least one of the applicator and the adhesive material~~ requires the at least one sealed compartment containing the polymerizable monomeric adhesive material~~applicator assembly~~ to be destructively unsealed; and

wherein the at least one sealed compartment comprises a first sealed compartment and a second sealed compartment, the first and second compartments being separated, the polymerizable monomeric adhesive material being contained in the first compartment and the applicator being at least partially disposed in the second compartment.

22. (Original) The applicator assembly according to claim 21, further comprising a polymerization initiator or accelerator for the adhesive material disposed in the second compartment.

23. (Original) The applicator assembly according to claim 22, wherein the polymerization initiator or accelerator is disposed in or on the tip of the applicator.

24. (Original) The applicator assembly according to claim 23, wherein the tip of the applicator is at least one of porous, absorbent and adsorbent in nature.

25. (Original) The applicator assembly according to claim 24, wherein the polymerization initiator or accelerator is absorbed or adsorbed into the tip of the applicator.

26. (Original) The applicator assembly according to claim 21, further comprising a medicament disposed in the second compartment.

27. (Original) The applicator assembly according to claim 26, wherein medicament is disposed in or on the tip of the applicator.

28. (Original) The applicator assembly according to claim 26, wherein the tip of the applicator is at least one of porous, absorbent and adsorbent in nature.

29. (Original) The applicator assembly according to claim 28, wherein the medicament is absorbed or adsorbed into the tip of the applicator.

30. (Currently Amended) A single-use applicator assembly for dispensing and applying a polymerizable monomeric adhesive material, comprising:

_____ a base portion having at least one sealed compartment;

_____ a polymerizable monomeric adhesive material contained in the at least one compartment; and

_____ an applicator at least partially disposed in the at least one compartment such that a tip of the applicator is proximate the polymerizable monomeric adhesive material;

_____ wherein removal of at least one of the applicator and the adhesive material requires the applicator assembly to be destructively unsealed; and

_____ wherein the at least one sealed compartment comprises a first sealed compartment and a second sealed compartment, the first and second compartments being

~~separated by~~The applicator assembly according to claim 21, further comprising a frangible barrier separating the first and second compartments, the polymerizable monomeric adhesive material being contained in the first compartment and the applicator being at least partially disposed in the second compartment.

31. (Currently Amended) The applicator assembly according to claim ~~10~~, wherein the at least one sealed compartment comprises a first compartment and a second compartment, the first and second compartments being open to each other, the polymerizable monomeric adhesive material being contained in the first compartment and the applicator being at least partially disposed in the second compartment.

32. (Currently Amended) A single-use applicator assembly for dispensing and applying a polymerizable monomeric adhesive material, comprising:

_____ a base portion having at least one sealed compartment;

_____ a polymerizable monomeric adhesive material contained in the at least one compartment; and

_____ an applicator at least partially disposed in the at least one compartment such that a tip of the applicator is proximate the polymerizable monomeric adhesive material;

_____ wherein the applicator assembly is destructively unsealed by removal of the applicator;

_____ wherein the at least one sealed compartment comprises a first compartment and a second compartment, the first and second compartments being open to each other, the polymerizable monomeric adhesive material being contained in the first compartment and the applicator being at least partially disposed in the second compartment; and~~The applicator assembly according to claim 31, further comprising~~

_____ a plunger that defines the second compartment and that is movable into the first compartment to displace the adhesive material into the second compartment.

33. (Currently Amended) The applicator assembly according to claim ~~31~~32, further comprising a polymerization initiator or accelerator for the adhesive material disposed in the second compartment.

34. (Original) The applicator assembly according to claim 33, wherein the polymerization initiator or accelerator is disposed in or on the tip of the applicator.

35. (Original) The applicator assembly according to claim 34, wherein the tip of the applicator is at least one of porous, absorbent and adsorbent in nature.

36. (Original) The applicator assembly according to claim 35, wherein the polymerization initiator or accelerator is absorbed or adsorbed into the tip of the applicator.

37. (Canceled)

38. (Currently Amended) A kit comprising:
a plurality of associated single-use applicator assemblies for dispensing and
applying a polymerizable monomeric adhesive material, each of the assemblies comprising:
a base portion having at least one sealed compartment;
a polymerizable monomeric adhesive material contained in the at least
one compartment; and
an applicator at least partially disposed in the at least one compartment
such that a tip of the applicator is proximate the polymerizable monomeric adhesive material;
wherein the applicator assembly is destructively unsealed by removal of the
applicator; and
The kit of claim 37, wherein a first of the assemblies comprises a greater
amount of adhesive material than a second of the assemblies.

39. (Currently Amended) The kit of claim ~~37~~38, further comprising a medicament contained in the at least one compartment.

40. (Currently Amended) The kit of claim ~~37~~38, further comprising a polymerization initiator or accelerator for the adhesive material.

41. (Canceled)

42. (Currently Amended) A kit comprising:
a plurality of associated single-use applicator assemblies for dispensing and
applying a polymerizable monomeric adhesive material, each of the assemblies comprising:
a base portion having at least one sealed compartment;
a polymerizable monomeric adhesive material contained in the at least
one compartment;
an applicator at least partially disposed in the at least one compartment
such that a tip of the applicator is proximate the polymerizable monomeric adhesive material;
and
a polymerization initiator or accelerator for the adhesive material;
wherein the applicator assembly is destructively unsealed by removal of the
applicator; and
The kit of claim 40, wherein a first of the assemblies comprises a greater
amount of polymerization initiator or accelerator than a second of the assemblies.

43. (Currently Amended) The kit of claim ~~37~~38, wherein at least two of the assemblies are frangibly connected to each other.

44. (Currently Amended) A kit comprising:
a plurality of associated single-use applicator assemblies for dispensing and
applying a polymerizable monomeric adhesive material, each of the assemblies comprising:
a base portion having at least one sealed compartment;
a polymerizable monomeric adhesive material contained in the at least
one compartment;

an applicator at least partially disposed in the at least one compartment
such that a tip of the applicator is proximate the polymerizable monomeric adhesive material;
and

a polymerization initiator or accelerator for the adhesive material;
wherein the applicator assembly is destructively unsealed by removal of the
applicator; and

The kit of claim 37, wherein a first of the assemblies comprises a larger sized
tip of the applicator than a second of the assemblies.

45. (Currently Amended) A method of applying an adhesive material, comprising:
destructively opening an applicator assembly according to claim ~~10~~¹⁰;
removing the applicator from the at least one compartment; and
applying the adhesive to a substrate to be bonded.

46. (Original) The method of claim 45, wherein the substrate to be bonded is
tissue.

47. (Currently Amended) A method of applying an adhesive material, comprising:
destructively opening an applicator assembly for dispensing and applying a
polymerizable monomeric adhesive material, the applicator assembly comprising:
a base portion having at least one sealed compartment;
a polymerizable monomeric adhesive material contained in the at least
one compartment; and
an applicator at least partially disposed in the at least one compartment
such that a tip of the applicator is proximate the polymerizable monomeric adhesive material;
wherein the applicator assembly is destructively unsealed by removal
of the applicator;
removing the applicator from the at least one compartment; and

~~_____ applying the adhesive to a substrate to be bonded; The method of claim 45,~~
~~_____ wherein the destructively opening step comprises at least partially separating a~~
first part of the base portion from a second part of the base portion.

48. (Currently Amended) A method of applying an adhesive material, comprising:
_____ destructively opening a single-use applicator assembly for dispensing and
applying a polymerizable monomeric adhesive material, the assembly comprising:
_____ a base portion having at least one sealed compartment;
_____ a polymerizable monomeric adhesive material contained in the at least
one compartment; and
_____ an applicator at least partially disposed in the at least one compartment
such that a tip of the applicator is proximate the polymerizable monomeric adhesive material;
_____ wherein the applicator assembly is destructively unsealed by removal
of the applicator;
_____ removing the applicator from the at least one compartment; and
_____ applying the adhesive to a substrate to be bonded;
~~_____ The method of claim 45,~~ wherein the destructively opening step comprises
breaking at least a frangible barrier that seals the at least one compartment.

49. (Currently Amended) A method of applying an adhesive material, comprising:
destructively opening an applicator assembly according to claim 56;
removing the applicator from the at least one compartment; and
directly applying the adhesive to a substrate to be bonded.

50. (Original) The method of claim 49, wherein the substrate to be bonded is
tissue.

51. (Currently Amended) A method of applying an adhesive material, comprising:

destructively opening a single-use applicator assembly for dispensing and
applying a polymerizable monomeric adhesive material, the assembly comprising:
a base portion having at least one sealed compartment;
a polymerizable monomeric adhesive material contained in the at least
one compartment; and
an applicator at least partially disposed in the at least one compartment
such that a tip of the applicator is proximate the polymerizable monomeric adhesive material;
wherein removal of at least one of the applicator and the adhesive
material requires the applicator assembly to be destructively unsealed; and
wherein the base portion is formed from a material that stabilizes the
polymerizable monomeric adhesive material;
removing the applicator from the at least one compartment; and
directly applying the adhesive to a substrate to be bonded;
~~The method of claim 49,~~ wherein the destructively opening step comprises at
least partially separating a first part of the base portion from a second part of the base portion.

52. (Currently Amended) A method of applying an adhesive material, comprising:
destructively opening a single-use applicator assembly for dispensing and
applying a polymerizable monomeric adhesive material, the assembly comprising:
a base portion having at least one sealed compartment;
a polymerizable monomeric adhesive material contained in the at least
one compartment; and
an applicator at least partially disposed in the at least one compartment
such that a tip of the applicator is proximate the polymerizable monomeric adhesive material;
wherein removal of at least one of the applicator and the adhesive
material requires the applicator assembly to be destructively unsealed; and

wherein the base portion is formed from a material that stabilizes the polymerizable monomeric adhesive material;

removing the applicator from the at least one compartment; and

directly applying the adhesive to a substrate to be bonded;

_____The method of claim 49, wherein the destructively opening step comprises breaking at least a frangible barrier that seals the at least one compartment.

53. (Original) A method of applying an adhesive material, comprising:
destructively opening an applicator assembly according to claim 21;
removing the applicator from the second compartment;
applying adhesive to the applicator; and
applying the adhesive to a substrate to be bonded.
54. (Original) The method of claim 53, wherein the substrate to be bonded is
tissue.
55. (Original) A method of applying an adhesive material, comprising:
providing an applicator assembly according to claim 30;
moving the applicator to break the frangible partition separating the first and
second compartments;
applying adhesive to the applicator;
removing the applicator from the applicator assembly; and
applying the adhesive to a substrate to be bonded.
56. (Original) The method of claim 55, wherein the substrate to be bonded is
tissue.
57. (Original) A method of applying an adhesive material, comprising:
providing an applicator assembly according to claim 32;

moving the plunger into the first compartment to displace the adhesive material into the second compartment such that adhesive is applied to the applicator; removing the applicator from the second compartment; and applying the adhesive to a substrate to be bonded.

58. (Original) The method of claim 57, wherein the substrate to be bonded is tissue.

59-127. (Canceled)